

*Ja 84, 563 (82)
J. Unexamined*

57-84563 Cell (Matsushita) Gasket material contg tetranitrotho benzene is used. (Pub. 5/26/82, Appl. 11/14/80)

MATU * X18 55672 E/27 * J5 7084-563
Cell with welded sealed packing - by adding organic nitrosoyl cpd.
to polyethylene or polypropylene in metal sealed plate
MATSUSHITA ELEC IND KK 14.11.80-JP-161202
A&S E19 L03(A17) (26.05.82) H01m-02/08
14.11.80 as 161202(3pp)

4. Japan 57-84563 (Unexamined, May 26, 1982, Matsushita) Cells, Seal gasket of polyethylene or polypropylene contains 0.3 to 0.7% (wt) organic nitrocyll compound is claimed. The purpose is to improve the seal for Li-MnO₂ cells and MnO₂-Zn cells of button or coin type. The specific compound is tetranitrosobenzene.

REFERENCE
REFERENCE
REFERENCE

UNION CARBIDE CORP.
BATTERY PRODUCTS DIV.
TECHNOLOGY LAB.
TECH. INFO. CTR.

JUL 27 1982

P. O. BOX 45035
WESTLAKE, OHIO 44145

ZOF

REFERENCE

Japanese Unexamined Patent Application: 57-84563, May 26, 1982

Title: Cell

Application: November 14, 1980 Sr: 55-161202

Inventors: F. Futo

Applicant: Matsushita Electric Industrial Co.

It relates to a sealant for use with cells.

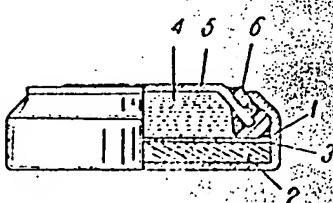
Polyethylene or polypropylene has been used as gasket material, but it lacks bonding to the metal surface. Therefore, it requires a suitable sealant.

In this invention, polyethylene or polypropylene contg 0.3-0.7 wt% organo-nitrosyl compound is used as gasket material. The nitrosyl compound acts as sealant.

Example: Zn/MnO₂ alkaline cells and Li/MnO₂ cells were made using the gaskets of this invention. Polyethylene is used for the alkaline cells while polypropylene is used for the Li/MnO₂ as gasket material. Tetranitroortho-benzene (TNB) is added.

<u>Zn/MnO₂</u>	<u>TNB</u>	<u>12 months stored</u>
	0.1 w/o	112 leaked
	0.2	47
	0.5	31
	0.7	35
	0.9	96
<u>Li/MnO₂</u>	0.1	88
	0.3	29
	0.5	14
	0.7	33
	0.9	73

Claim: Cells in which gaskets made of PE or PP contg 0.3-0.7 wt% organo-nitrosyl compound are used.



UNION CARBIDE CORP.
BATTERY PRODUCTS DIV.
TECHNOLOGY LAB.
TECH. INFO. CTR.

MAR 2 1983

P.O. BOX 45035
WESTLAKE, OHIO 44145

DRF